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**D.R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



Revised Syllabus of

B.A. [Geography]

Semester - III and IV

with

Credit & Semester Pattern

[ Effective from 2010-11 & onwards ]

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
AURANGABAD.**

**REVISED SYLLABUS OF**

**B.A. SECOND YEAR (GEOGRAPHY)**

**SEMISTER – III & IV**

**(With Credit System)**

**(Effective from – 2010 -- 2011 & onwards)**

DR. BABASAHEB AMBEDKAR MARATHIWADA UNIVERSITY,  
AURANGABAD.

STRUCTURE OF THE B.A. SECOND YEAR SYLLABUS

GEOGRAPHY PAPERS

(SEMESTER PATTERN)

Semester – III

Paper No.	Title of the Paper	Total Marks	No. of periods per week
Paper V	Climatology	30	04
Paper – VI	Population Geography	30	04
Practical - III	Practical Geography - III	40	04

Total periods per week = 12

One practical having 04 periods

Semester – IV

Paper No.	Title of the Paper	Total Marks	No. of periods per week
Paper - VII	Oceanography	30	04
Paper – VIII	Settlement Geography	30	04
Practical - IV	Practical Geography - IV	40	04

Total periods per week = 12

One practical having 04 periods

  
Dr. H.M. Rane  
Chairman

BOS in Geography

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

**GEOGRAPHY**

Curriculum Structure and Scheme of Evaluation for B.A. – II

With effective from 2010 – 11

SEMESTER - III									
Sr. No.	Course Code	Name of the Subject	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
			L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
1	Geo 107	Climatology	4	-	4	4	30	-	30
2	Geo 108	Population Geography	4	-	4	4	30	-	30
3	Geo 109	Practical - III	-	4	4	4	-	40	40
(A) Total of Semester – III			8	4	12	12	60	40	100

  

SEMESTER - IV									
Sr. No.	Course Code	Name of the Subject	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
			L	P	Total Credits	Theory	Theory	Practical/ Viva-voce	Total Marks
1	Geo 110	Oceanography	4	-	4	4	30	-	30
2	Geo 111	Settlement Geography	4	-	4	4	30	-	30
3	Geo 112	Practical - IV	-	4	4	4	-	40	40
(B) Total of Semester – IV			8	4	12	12	60	40	100

## B.A. - II, Semester - III

## Paper - V

## Climatology

Marks : 30

Unit - I	Weather and Climate - Definition, nature and scope Of Climatology, Significance of Climatology, Composition and structure of Atmosphere, weather & climate.	Periods - 10 Marks - 06
Unit - II	Insolation and Temperature - Definition of Insolation and Temperature, Heat budget Of the Earth, Factors affecting the distribution of Solar energy, Distribution of Temperature - Vertical and Horizontal, Range of Temperature.	Periods - 20 Marks - 08
Unit - III	Atmospheric Pressure and Winds - Evaporation and Condensation, Hydrological cycle, Types of precipitation, World pattern of rainfall, Regional and seasonal distribution, Air Masses and Fronts: Concept, Classification and properties. Atmospheric disturbance : Tropical and Temperate cyclones : thunderstorms and tornadoes.	Periods - 20 Marks - 08
Unit - IV	Role of Climate in human life - Atmospheric Pollution and Global Warming, General causes, consequences and measures of control.	Periods - 10 Marks - 08

## Recommended Books -

1. Barry R.G. and Chorley R.J. : Atmosphere, Weather and Climate, Routledge, 1998.
2. Crichton Field H. : General Climatology, Prentice, Hall, New York, 1975.
3. Lydolph, Paul, E. : The Climate of the Earth, Rowman and Allanheld, Totowa N.J. 1985.
4. Triwartha G.T. : An Introduction to Climate, International Student's edition, McGraw-Hill, New York, 1974.
5. श्री. अशोक कुमार मजरा : स्वामित्व
6. श्री. अशोक कुमार मजरा : स्वामित्व

## B.A. - II, Semester - III

## Paper - VI

## Population Geography

Marks : 30

Unit - I	Population Geography - Definition, nature, scope and Significance, Sources of population data.	Periods - 10 Marks - 06
Unit - II	Distribution of population - Factors affecting on population distribution and density. Population distribution patterns - World and India. Densely, moderately and sparsely population regions of the World.	Periods - 20 Marks - 08
Unit - III	Composition of Population - Age and sex composition, rural - urban composition, Economic composition; determinants, World regional patterns; Composition of population in India.	Periods - 20 Marks - 08
Unit - IV	Migration - Meaning, classification, determinants and consequences of migration, Migration in India.	Periods - 10 Marks - 08

## Recommended Books -

1. Beaujeu Garnier J.: Geography of Population, Longman, London, 1966.
2. Chandana R.C. : Geography of Population, Kalyani Pub. Ludhiana, 1988.
3. Clark John I. : Population Geography, Pergamon press, New York, 1965.
4. Ghosh B.N. : Fundamentals of Population Geography.
5. Peters G.F. and Larkin R.P. : Population Geography - Problems, concepts and prospects, Kendall Hunt Iowa, 1979.
6. Sawant and Athawale A.S. : Population Geography, Mehta, Kolhapur.
7. Smith T.L. (1960) : Fundamental of Population Studies, Lipincott, London.

**B.A. – II, Semester – III**  
**Paper – Practical Geography - III**

**Total Marks: 40**

Unit - I	Earth, shape, size, area and great circle, co-ordinate system, plane spherical latitude, longitude direction and distance map design.	<b>Periods – 20</b> <b>Marks – 10</b>
Unit - II	Map Projection – Definition of Map Projection, Classification & necessity of Map Projection.	<b>Periods – 20</b> <b>Marks – 10</b>
Unit - III	Construction, Properties, Uses and choice of the following Map Projections: 1. Simple Cylindrical Projection 2. Cylindrical Equal Area Projection 3. Simple Conical Projection 4. Conical Projection with Two Standard Parallel 5. Zenithal Polar Gnomonic Projection 6. Zenithal Equal Area Projection.	<b>Periods – 20</b> <b>Marks – 10</b>
Unit - IV	Journal and Viva – Voce	<b>Marks – 10</b>

**Recommended Books –**

1. Moukhouse F.G. & Willinson H.R.: Maps and Diagrams, Methues, London, 1994.
2. Singh R.L. : Elements of Practical Geography, A Kalyani Pub. New Delhi.
3. Steers J.A. : Map Projections, University of London Press, London.
4. Bygoner L. : An Introduction to Map Work and Practical Geography, University Tutorial, London, 1964.
5. Sarkar, A.K. : Practical Geography – A Systematic approach, Orient Longman, Calcutta, 1997.

## B.A. - II, Semester - IV

## Paper - VII

## Oceanography

Marks : 30

Unit - I	<b>Introduction to Oceanography -</b> Definition, Nature and Scope, Surface configuration of Ocean Floors.	Periods - 10 Marks - 05
Unit - II	<b>Submarine Relief -</b> General face of submarine relief - Continental shelf, Continental slope, Abyssal plains, Oceanic trenches and deeps, Hypsographic Curve, Relief of Atlantic, Pacific and Indian Oceans.	Periods - 20 Marks - 08
Unit - III	<b>Salinity and Temperature of Oceanic Water -</b> Salinity of ocean water, its meaning, causes of salinity, Factors affecting or salinity of oceanic water, Distribution of salinity in the World. Factors affecting the temperature of ocean water, Distribution of temperature in ocean water.	Periods - 20 Marks - 08
Unit - IV	<b>Marine Deposits and Coral Reefs -</b> Ocean deposits - Shallow sea deposits, Deep sea deposits, Types of Corals. Ocean as a storehouse of resources for the future.	Periods - 10 Marks - 08

**Recommended Books -**

1. Grall S. : General Oceanography - An Introduction, John Wiley & sons, New York, 1980.
2. Garrison T. : Oceanography, Words worth, Com. USA, 1998.
3. Sharma and Vithal : Oceanography.
4. Savindra Singh : Oceanography.
5. Davis Richard J. : Oceanography - An Introduction to Marine Environment, W.M.C. Brown Flowa, 1987.
6. Hessain M. : Climatology and Oceanography.



## B.A. – II, Semester – IV

## Paper – VIII

## Settlement Geography

Marks : 30

Unit - I	<b>Settlement Geography</b> Nature, scope and content. Definition of rural and urban settlements, merits and limitations.	Periods -- 10 Marks - 06
Unit - II	<b>Settlement site and structure</b> – Internal Morphology, external forms, field patterns, Functions and house types.	Periods – 20 Marks – 08
Unit - III	<b>Spatial organization</b> – Size, spacing and hierarchy of settlements; emergence and characteristics of urban settlement.	Periods – 20 Marks – 08
Unit - IV	Salient features of human settlements in India.	Periods – 10 Marks - 08

**Recommended Books --**

1. Bose A. : India's Urbanization 1947-2000, Tata McGraw Hill, New Delhi.
2. Carter H. : The Study of Urban Geography, Edward Arnold, London.
3. Chisholm M. (1972) : Rural Settlement and Land use, London.
4. Cior R.D. (1970) : Rural Geography, Pergamon Press, London.
5. Singh R.L. : Reading in Rural Geography. Banaras Hindu University, Varanashi.
6. Singh R.Y. (1994) : Geography of Settlement, Rawat Publication, Jaipur and New Delhi.
7. Turner Roy (1962) : Indian Urban Future, Oxford University Press, Bombay.

**B.A. - II, Semester - IV**  
**Paper - Practical Geography - IV**

**Total Marks: 40**

Unit - I	Cartography - Definition, Nature and Scope of Cartography, Importance of Cartography.	<b>Periods - 20</b> <b>Marks - 10</b>
Unit - II	Representation of statistical data by using following Cartographic Techniques: 1. Chorograph                      2. Hythergraph 3. Star Diagram                    4. Traffic Flow Cartogram 5. Cube Diagram                   6. Brograph.	<b>Periods - 20</b> <b>Marks - 10</b>
Unit - III	Representation of statistical data by using following methods: 1. Line and Bar Graph            2. Divided Rectangle 3. Divided Circle                   4. Proportional Circle 5. Dot Maps                           6. Choropleth Maps 7. Isopleth Maps.	<b>Periods - 20</b> <b>Marks - 10</b>
Unit - IV	Journal and Viva - voce.	<b>Marks - 10</b>

**Recommended Books -**

1. Pal S.K. : Statistics for Geo-sciences, Techniques and Application, Concept, New Delhi, 1998.
2. Misra R.P. and Ramesh : A Fundamentals of Cartography, McMillen Co. New Delhi, 1986.
3. Monkhouse F.J. : Maps and Diagrams.
4. Robinson A.H. : elements of cartography, John Wiley and Sons, USA, 1995.
5. Singh and Kanoujia : Map Work and Practical Geography.